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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके [Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेम्ट कार्यालय द्वारा जारी की गई पेटेम्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस [Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 24th March, 1984

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REGISTRATION OF PATENT AGENT

The following person has been registered as a Patent Agent under the provisions of Section 126 of the Patents Act, 1970:—

- (1) Shri Brajendra Lal Banerjee, 8-B. Sebak Baldva Street, Calculta-700 029.
- APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSF ROAD, CALCUTTA-700 017

The dates shown in croscent brackets are the dates claimed under Section 135, of the Act.

The 16th February, 1984

- 112/Cal/84. The Lubrizol Corporation. Aklyl phenol and amino phenol compositions and two-cycle engine oils and fuels containing same.
- 113/Cal/84. Pennwalt Corporation. Reaction of carbonylhydrazines and Organic Peroxides to foam unsaturated polyester resins.

The 17th February, 1984

- 114/Cal/Cal/84. John Valves Pty. Ltd. Valve closing device. (February 2, 1983).
- 115/Cal /84. American Can Company. Multiple layer-flexible sheet structure.

The 18th February 1984

116/Cal/84. The Lubrizol Corporation. Mixed alkyl esters of inter-plymers for use in crude oils. [Divisional date 5th September, 1981].

The 20h February, 1984

117/Cal/84. Debabrata Banerjee. Safety gate device for mine ropeway lifts.

The 21st February, 1984

- 188/Cal/84. Naba Kumar Bandopadhay. A mechanical-cum electromagnetic device for remote control, indication and/or recording of data in digital form.
- 119/Cal/84. Naba Kumar Bandopadhay and Sruti Bondopadhay. Electric Wusher-cum-drier.
- 120/Cal/84. Sruti Bandopadhay and Swati Bandopadhay. Self-cooling water bottle.
- 121/Cal /84. Euroceltique, S.A. Method or producing standardized iodophor preparations and such preparations.
- 122/Cal/84. Hoechst A.G. Process for preparing water-soluble phthalocyanine compounds. [Divisional date 19th August, 1980].
- 123/Cal/84. Combustion Engineering, Inc. System for injecting overfire air into a tengentially fired furnace.

The 22nd February, 1984

- 124/Cal /84. Fnergy Conversion Devices, Inc. Thermoelectric device exhibiting decreased stress.
- 125/Cal '84. The Babcock & Wilcox Company. Pneumatic servo assembly for an electro-pneumatic converter.
- 126/Cal/84. The Babcock & Wilcox Company. Control system for an electro-pneumatic converter.
- 127/Cal/84. (1) Veltscher Magnesitwerke-Actien. Gesellschaft, (2) Voest-Alpine Aktlengesellschaft & (3) Korf Engineering GmbH. Refractory lining of coal gasifiers.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, HIRD FLOOR, KAROL BAGH NEW DELIH-5

The 23rd January, 1984

- 64/Del/84, Sukhdershan Kumar Sharma, "Microne Projector".
- 65/Del '84. The Bendix Corporation, "Seal assembly for closing a cavity particularly in a rotary pump or compressor".
- 66 Del/84. Bicc Public Limited Company, "Overheated electrical transmission and distribution sysem (January 27, 1983).

The 24th January, 1984

- 67hDel/84. Koilmorgen Technologies Corporation, "Improved edtp-containing electroless copper baths".
- 68/Del/84. Kollmorgen Technologies Corporation, "Improved method for electroplating non-metallic surfaces".
- 69/Del/84. Rohm and Hans Company, "Process for tanning leather".
- 70/Del/84. Kingsway Enterprises Private Limited, "A film strip viewer",
- 71/Del/84, R. P. Soonawala, "An inserter for introducing and depositing an intrauterine device".
- 72/Del/84. Cement Research Institute of India, "A cyclone separator".
- 73/Del/84. Cement Research Institute of India. "A cyclone separator".

The 25th January, 1984

- 74/Del/84. Continental Disc Corporation, "Rupture disc".
- 75/Del/84. Union Carbide Corporation, "Preimpregnated reinforcements and high strength composites therefrom".
- 76/Del/84. Gestetner Manufacturing Limited, "Improved duplicating stencil". (January 28, 1983).

The 27th January, 1984

- 77/Del/84. Vishwa Mitra Bhuchar, "Improved continuous process for defatting of whole kernels".
- 78/Del/84. Robert Raymond Bily, "A high protein food product containing a large proportion of whey and a method of making the same".

The 28th January, 1984

- 79 /Del/84. The Secretary of State for Defence in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, and E Merk Patent Gesellschaft Mit Beschranktor Haftung, "Distributed ethanes and their use in liquid crystal materials and devices. (December 20, 1983).
- 80/Del '84. Interlego AG., "Building blocks for construction models, especially toy building blockets".

The 30th January, 1984

- 81/Del/84. Union Carbide Corporation, "Preimpregnated reinforcements and high strength composites therefrom"
- 82 Del/84. Societe Anonyme D.B.A., "Disc brake with sliding callper".

- 83/Del/84. Interlego AG., "Building blocks for construction models, especially toy building blocks".
- 84/Del/84. Alejandro Stein, "Building structure".
- 85/Del/84, Compagnie Française Des Petroles, "Process for the dehydration of gases containing hydrocarbons".
- 86/Del/84. Crutcher Resources Corporation, "Tape machine support".
- 87/Del/84, Union Carbide Corporation. "Impact resistant matrix resins for advanced composites".

The 31st January, 1984

- 88/Del/84. Biostar Medical Products, INC., "Method of performing an immunoassay, article for use therein and method for making such article". (March 30, 1983).
- 89/Del/84. Bendix Limited, "Hand control valve mechanism". (April 5, 1983).
- 90/Del/84, Australian Design Marketing Pty. Ltd., "Cladding element". (February 10, 1983).
- 91/Del/84. Albort Frederick Wigley, "Moisture Eliminator". (February 19, 1983).
- 92/Del/84. Albert Frederick Wigley, "Liquid gas contact means". (February 19, 1983).
- 93/Del/84. L Air Liquide Societe Anonyme Pour L Etude Et L' Exploitation des procedes georges claude. "Process and plant for the cooling of a fluid and in particular the liquefaction of natural gas".
- 94/Del/84. Guy Gaudfrin, "Belt filter equipped with an air suction device".
- 95/Del/84. Exxon Research and Engineering Company, Improved cryogenic production of ammonia synthesis gas".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE, BOMBAY BRANCH AT TODI ESTATES, LOWER PAREL BOMBAY-13

The 16th January, 1984

- 11/Bom/84. Bharat Gears Ltd. A novel modular construction of hypoid axle center and method of its assembly.
- 12/Bom/84. Bharat Gears Ltd. A novel energy efficient positive shaft drive system for bicycles, cycle richshaw and tricycles for disabled and the like vehicles
- 13/Bom/84. Dave Ashok Pravinchandra & others. Sit-N-Go luggage.

The 17th January, 1984

Bom/84. Klass Equipment Pvt, Ltd. Filter medium for separation of suspended dust particles from the hydrocarbons and for fuel in automobiles.

The 18th January, 1984

5/Bom/84. Jagdishbhai Virubhai Patel. Non electrical mechanical door bell with door eye viewer.

The 19th January, 1984

- 5/Bom/84. Shirish Bhailal Patel. An improved reflector fitting for unnatural source of light.
- 7/Bom/84. Hindustan Lever Ltd. U. K. 21-1-1983. Detergent composition.

The 20th January 1984

- 18/Bom/84. Pareshbhai Popatbhai Patel. Sunface plaster machine.
- 19/Bom/84. Hindustan Ciba Geigy Ltd. Benzimidozole derivatives process for their preparation and pharmaccutical preparations containing such compounds.

The 23rd January, 1984

- 20/Bom/84. Navayuk Industries. An improved method and apparatus for continuous dispersion of powder with different particles sizes in a liquid at variable temperatures.
- 21/Bom/84. Madhu Jivanlal Saraiya. A method for the manufacture of durable electrode for use in electrochemical process, and durable electrode manufactured thereby.
- 22/Bom/84. Anil Shankar Gupte. Safety devices for presses and like equipment.

The 24th January, 1984

23/Bom/84. Sanjay Ramchandra Garge. Swinging bell or buzzer.

The 27th January, 1984

24/Bom/84. John Michael Pereira. Stop smoking method for cigarettes and bldis.

The 28th January 1984

- 25, Bom/84. S. Harbhajan Singh Maras. Automatic air circulator for air blowing unit.
- 26/Bom/84. Eclair Electronics. Electronic protection switch.
- 27/Bom/84. Precision Mouldings Pvt. I.td. A novel closure having triple pilfer resistant scale for container and the like.

APPLICATIONS FOR PATENTS AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 30th January, 1984

- 46/Mas/84. Sree Chitra Tirunal Institute for Medical Sciences & Technology. An improved heart valve assembly.
- 47/Mas/84. Hoechst Aktiengesellschaft, A process for the preparation of a catalytically active electrode material for oxygen-consuming electrodes.
- 48/Mas/84. Union Corbide Corporation. Epoxy compositions containing oligomeric diamine hardeners and high strength composites therefrom.
- 49/Mas/84. Permelec Electrode Ltd. Durable Electrode for Electrolysis and Process for Production Thereof.

The 31st January, 1984

- 50/Mas/84. Societe dite. Press for heat-sealing and separating sachets of heat-sealable plastics material.
- 51/Mas/84. Pont-A-Mousson S.A. Method and apparatus for separating a cut tube end.
- 52/Mas/84. Mitsubishi Denki Kabushiki Kaisha, Static induction apparatus.
- 53/Mas/84. Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Draft roll system for spinning machines.
- 54/Mas/84. Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Supply chute for supplying empty bobbins to a spinning frame.
- 55/Mas/84, Kabushiki Kaisha Toyoda Jidoshokki Seisakusho Device for storage of empty bobbins for a spinning frame.

- 56/Mas/84. Kabushiki Kaisha Toyoda Jidoshokki Scisakusho. A variable-speed belt transmission apparatus.
- 57/Mas/84. Anic S.p.A. & Snomprogetti S.p.A. A process for the homopolymerisation or the copolymerisation of unsaturated compounds. (Divided out of Application No. 32/Cal/81).

The 1st February, 1984

- 58/Mas/84. Lucas Industries Public Company Limited.
 Disc Brakes for Rail Vehicles. (February 10, 1983)
- 59/Mas/84. Lucas Industries Public Company Limited, Disc Brakes For Vehicles. (February 10, 1983).
- 60/Mas/84. Auroelsctronics. A flat surface area measuring apparatus.
- 61/Mas/84. Amsted Industries Incorporated. Railway Vehicle Brake Shoe.
- 62/Mas/84. Tetra Pak Development S.A. An improved device for manufacturing packages filled with liquid. (Divided out of Application No. 1187 Cal/80).

The 2nd February, 1984

- 63/Mas/84. SWS Silicones Corporation. A process for preparing an aqueous adhesive composition.
- 64/Mas/84. Takasago Perfumery Co. Ltd. . Menthol soup.
 The 3rd February, 1984
- 63/Mas/84. S. Shilpi. The improvement in or related to vehicular wheels.
- 66 /Mas /84. G. Venkatachalapathy, Centripetal turbine pump or compressor.
- 67/Mas/84. G. Venkatachalapathy. A device for separating tiny rocks from rice.
- 68/Mas/84. G. Venkatachalapathy. Mechanized Ammikkal (in Tamil) or Superfine Grinder.
- 69/Mas/84. N.P.K. "TEXTILNO MASHINOSTROENE", An apparatus for yarn winding.

The 4th February, 1984

- 70 Mas 84. Stratford/Graham Engineering Corp. . Method and apparatus for grease manufacture using external loop reactor.
- 71/Mas/84. Tetra Puk International AB., Packing Container with Fold-out Pouring Spout.

COMPLETE SPECIFICATION ACCEPTED

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CLASS 187E3 & 206 F & I.

152723.

Int, Cl. H 04 r 28/00.

CAPACITOR-TYPE DIFFERENTIAL PRESSURE TRANSMITTER SYSTEM

Applicants: YOKOGAWA ELECTRIC WORKS LTD.. OF 9-32, NAKACHO 2-CHOME, MUSASHINO-SHI, TOKYO, JAPAN,

Inventors: 1. TOKUJI SAIGUSA, 2. SHIGERU GOTO AND 3. SHIGETOSHI KADEKARU.

Application No. 208/Cal/79 filed March 5, 1979.

Appropriate office for apposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A capacitor-type differential pressure transmitter system comprising: a differential pressure detector including a pair of variable capacitors having capacitances which vary differentially in response to a differential pressure between two pressures to be measured;

an oscillator disposed to apply an oscillation output of a predetermined frequency to said pair of variable capacitors;

means disposed to generate a DC current corresponding to the average value of an AC current flowing in each of said variable capacitors;

first and second resistors each disposed to receive one or the other of said DC currents;

means disposed to supply another DC current of a predetermined value to a series circuit of said first and second resistors in a direction opposite to that of said DC currents;

means disposed to detect a voltage developed across said series circuit and thereby to control said oscillator so as to reduce said voltage to zero;

- a first span adjusting variable resistor having a movable brush disposed between one end and the other end thereof, said one end being connected to a junction point of said first and second resistors, whereby said average value DC currents flow between said movable brush and said one end in opposite directions to each other;
- an output amplifier having two input terminals, one of said input terminals being connected to the other end of said first variable resistor;
- a second zero adjusting variable resistor disposed to apply by voltage division a predetermined voltage to the other input terminal of said output amplifier;
- an output transistor disposed to be actuated by an output of said output amplifier so as to control an output current supplied to a receiving end through a pair of transmission wires:
- a feedback resistor disposed to generate a feedback voltage corresponding to said output current; and

means disposed to apply said feedback voltage to said one input terminal of said output amplifier through a resistor, whereby a span adjustment and zero adjustment of said output current may be respectively effected by said first and second variable resistors independently of each other and without mutual interference.

(Compl. specn. 22 pages. Drgs. 2 sheets).

CLASS 63 I & 68 E.

152724.

CLASS 116 G.

152726.

Int, Cl. H 05 g 1/10.

APPARATUS FOR SUPPLYING HIGH POWER TO ELECTRIC LOADS OPERATED IN A PULSE-LIKE MANNER. ESPECIALLY FOR X-RAY EQUIPMENTS.

Applicants 1 MEDICOR MUVEK, OF RONTGEN U 11-13, 1389 BUDAPEST, HUNGARY.

Inventors: DR. PAL VITTAY.

Application No. 525/Cal/79 filed May 21, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

26 claims.

An apparatus for supplying high power to electric loads operated in a pulse-like manner, characterized in that it comprises a shaft/5/ being adapted for roational movement; a drive/3/ for rotating said shaft/5/; a fly-wheel /4/ coupled to and rotating with said shaft /5/; a generator unit/2/ having field terminals/15/, 16/ and an output coupled to said load /9/ said generator unit /2/ comprises an electric rotary machine having a rotor coupled to said shart /55; a field power supply /10/ having an output coupled to said field terminals /15, 16/ of the generator unit /2/ and a control input /13/ determining the intensity of the exciting current led through said field terminals /15, 16/; and a control unit /100/ for adjusting the operational parameters of the load /9/, the said control unit /100/ having an output coupled to the control input /13/ of the field power supply /10/.

(Compl. speen. 71 pages. Drgs. 16 pages).

CLASS 32 A1.

152725.

Int. Cl. C 09 b 29:00, 31/00, 33/00.

CONTINUOUS PRODUCTION OF AZO PIGMENTS

Applicants: HOECHST AKTIENGESELLSCHAFT OF D 6230 FRANKFURT/MAIN 80 FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. HARTMUT BEHRINGER, 2. KURT KARRENBAUER, AND 3. HEINRICH REHBERG.

Application No. 1067/Cal/79 filed October 12, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 claims.

A process for the continuous manufacture of azo pigments wherein a coupling component is reacted, inside a reaction zone being filled with a previously produced suspension of the azo pigment to the made, with an aqueous solution of a diazo component at temperature of 10 to 60°C and over periods of 0.2 to 4 hours, if desired in the presence of one or more customary addends, which comprises: passing an aqueous suspension or solution of the coupling components in substantially laminar flow upwardly throught a cylindrical reaction zone arranged in upright position, introducing the aqueous solution of the diazo component through 2 to 50, preferably 3 to 10 serially arranged inlets opening laterally into the reaction zone, the diazo component being admitted in quantities decreasing from below to above and the stoichiometric end point of the coupling reaction being established at the uppermost inlet opening into the reaction zone; and establishing the pH-value typical of each reaction and konwn as such by introducing dilute alkali liquor through 2 to 50, preferably 3 to 10 serially arranged inlets opening laterally into the reaction zone, the respective diazo component and alkali liquor inlets being arranged at different levels with respect to each other.

(Compl. specn. 14 pages, Drgs. 2 sheets).

Int. Cl. G 01 g 11/00.

MONITORING SYSTEM FOR MONITORING THE OCCURRENCE OF A PLURALITY OF EVENTS IN A CYCLICAL PROCESS

Applicants: THE B.F. GOODRICH COMPANY OF 277 PART AVENUE, NEW YORK, 10017, U.S.A.

Inventors: FRANK ANTHONY DOLJACK.

Application No. 1120/Cal/79 filed October 26, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

89 claims.

A monitoring system for monitoring the occurrence of a plurality of events in a cyclical process, comprising: event transducer means for detecting the occurrence of such events in such process, progress transducer means for detecting the progress of such process, and search means for sensing whether respective events occur at expected positions in the progress of such process.

(Compl. specn, 55 pages. Drgs. 9 sheets),

CLASS 151 C & E.

152727.

Int. Cl. F 16 1 11/08.

METHOD OF HOSE PRODUCTION AND PRODUCT

Applicants: IMPERIAL CLEVITE INC., OF PENN-SYLVANIA 19462, UNITED STATES OF AMERICA.

Inventors: 1. MICHAEL A. CHERMAK, 2. ANIL H. CHUDGAR AND 3. WILLIAM J. KRONSCHNABEL.

Application No. 1174/Cal/79 filed November 12, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 claims.

The method of forming a hose comprising the steps of providing a thermoplastic core tube defining an outer surface; applying thereon an interesticed metallic reinforcement about said core tube; heating said core tube in selected portions adjacent said outer surface which is between the core tube and the reinforcement to soften said portions for migration into said interstices; and cooling said portions to form a mechanical interlock between said core tube and said reinforcement.

(Compl. speen, 11 pages, Drg. 1 sheet).

CLASS 47 B; & 108 Bi.

152728.

Int. Cl. C 10 b 57/02; C 22 b 5/12.

METHOD FOR THE GASIFICATION OF

CARBONACEOUS MATERIAL. AND THE REDUCTION OF METALLIC ORES

Applicants: RAFTWERK UNION AKTIENGESELI.S-CHAFT OF 433 MULHEIM (RUHR), WIESENSTR. 35, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. HANS FREWER, 2. HAINER MULLER AND 3. ULRICH SCHIFFERS.

Application No. 122/Cal/80 filed February 1, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 claims

Combination method for the gasification of coal and the reduction of metal ores which comprises subjecting commuted coal to hydrogenation in a hydrogenation zone in the presence of added hydrogen to produce gaseous constitutents containing hydrocarbons and untracted hydrogen gas and a non-vaporous residual coke component, releasing the gaseous constituents from the hydrogenation zone, discharging the coke component from the hydrogenation zone, subjecting said coke component to steam gasification in a steam gasification zone in the presence of added steam to produce a steam gasification gas containing H₃, CO and CO₃ and an ash residue, passing said steam gasification gas in contact with a metal ore in a reduction zone to effect reduction of the ore, releasing spent gas containing CO after contact with said ore from the reduction zone, passing said spent gas to a conversion zone to react said CO with steam to produce H₂ and CO₂, passing the thus converted gas containing H₂ after removal of CO₂, as well as a hydrogen containing gas separated from said released gaseous constituents, to the hydrogenation zone.

(Compl. specn. 12 pages. Drg. 1 sheet).

CLASS 34 C.

152729.

Int. Cl. D 01 f 3/28.

PROCESS FOR MAKING POLYMER FILAMENTS OF HIGH TENSILE STRENGTH AND MODULUS

Applicants: STAMICARBON B.V. OF P.O. BOX 10, GELEEN, THE NETHERLANDS.

Inventors: 1. PAUL SMITH, 2. PIETER JAN LEMSTRA AND 3. ALBERTUS JOHANNES PENNINGS,

Application No. 149 'Cal/80 filed February 8, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 claims

Process for making polymer filaments of high tensile strength and modulus, characterized in that a solution of the polymer such as herein described is spun to a filament through a spinning aperture in a way known per sc, the filament is cooled to below the dissolution temperature, next brought to a temperature between the swelling point and the melting point of the polymer, and stretched at this temperature while still containing at least 25% wt. solvent such as herein described related to the polymer.

(Compl. specn. 11 pages. Drgs. 2 sheets).

CLASS 120 C1, 158 D.

152730

Int. Cl. B 61 f 17/00; F 16 n 31/00.

LUBRICATION RETAINING BEARING

Applicants: THE AMERICAN ROTO BEARING CO. OF 4213 EDENHURST AVENUE LOS ANGELES, CALIFORNIA, U.S.A.

Inventors: 1. GEORGE S. KOESTER AND 2. HENRY R. HULLHORST.

Application No. 226/Cal/80 filed February 27, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 claims

A lubrication retaining bearing adapted to be interposed between a first surface and a second abutting surface parallel to said first surface and arranged to rotate with respect to said first surface about a rotational axis perpendicular to said surfaces, said first and second surfaces being arranged to bear a compressive load in the direction of said rotational

axis, said bearing comprising: a first shim having an outer surface arranged to engage said first surface; a second shim having an outer surface arranged to engage said second surface; a third shim disposed between said first and second shims, contacting an inner surface of said first shim and an inner surface of said second shim, said third shim having a plurality of apertures extending therethrough; and a lip adjacent the outer periphery of said bearing for retaining a lubricant between said first and second shims.

(Compl. specn. 12 pages. Drg. 1 sheet).

CLASS 119 Fa & 172 E.

152731

Int. Cl. D 03 d 45/50, 49/70, D 03 j 1/04.

IMPROVEMENTS IN OR RELATING TO PHOTO-ELECTRIC BOBBIN FEELERS IN WEAVING MACHINES

Applicants: GEBRUDER LOEPFE AG. OF ZYPRES-SENSTRASSE 85, 8040, ZURICH, SWITZERLAND.

Inventors: WERNER EICHENBERGER.

Application No. 238/Cal/80 filed February 29, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 claims

A photoelectrical bobbin feeler for use in weaving machine for detecting or discriminating the full and empty conditions of a textile bobbin, comprising a light source and first and second light sensors for receiving light emitted by the light source and reflected specularly and diffusely, respectively, from the bobbin, the light source and light sensors having optical axes defining a scanning plane, the optical axes of the light source and first light sensor subtending at the bobbin an angle α greater than 90° and smaller than 180° the optical axes of the light source and the second light sensor subtending at the bobbin an angle β of at least 30°, and a polarising screen being arranged in front of the light source so as to pass the light components oscillating in a plane perpendicular to the scanning plane.

(Compl. specn. 14 pages. Drgs. 2 sheets).

CLASS 32 F3 a & F4, 140 A2.

152732

Int. SI. C 07 c 33/02; C 10 m 1/46, 3/40, 5/24, 7/42.

AN IMPROVED PHOSPHORUS-CONTAINING LUBRICATING COMPOSITIONS

Applicants: THE LUBRIZOL CORPORATION OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092 UNITED STATES OF AMERICA.

Inventors: 1. RICHARD WILLIAM JAHNKE AND 2. JOSEPH JOHN RYSEK.

Application No. 443/Cal/80 filed April 16, 1980.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

6 claims

An improved lubricating composition comprising a lubricant additive and a lubricating oil component as herein described, characterized in that said lubricant additive contains at least a phosphorous containing compound of the formula.

(R1-Ar1 (OR2)_X O)₂ POH

wherein each R¹ is independently an aliphatic hydrocarbonhased radical having from 4 to 100 carbon atoms; each R² is independently an ethylene, trimethylene, lower olkyl-substituted ethylene or lower alkyl-substituted trimethylene radical; each Ar^I is independently an avomatic radical; and each x is independently an integer from 1 to 15, (in an amount of 5 to 30 parts by weight of the composition which may optionally include at least one compound of the formula

 $R^3 - Ar^2 (OR^4)_V Z$

wherein:

 $\mathbf{R}^{\mathbf{a}}$ is an aliphatic hydrocarbon-based radical having from 4 to 100 carbon atoms;

R' is an ethylene, trimethylene, lower alkyl-substituted ethylene or lower alkyl-substituted trimethylene radical:

Ar2 is an aromatic radical;

Z is chlorine or bromine; and

Y is an integer from 1 to 15

together with or without other conventional additives as herein described.

(Compl. specn. 24 pages. Drgs. 1 sheet).

CLASS 32 E, 104 I.

152733

Int. Cl. B 29 d 27/00; C 08 f 47/00.

METHOD FOR THE PREPARATION OF A CELLULAR FOAMED BODY OF A VINYL CHLORIDE-BASED RESIN

Applicants: SHIN ETSU CHEMICAL CO. LTD. OF 6-1 OTEMACHI 2- CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors: 1. HAJIME KITAMURA, 2. KIYOSHI IMADA AND 3. YOSHITSUGU EGUCHI.

Application No. 515/Cal/80 filed May 03, 1980.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

9 claims.

A method for the preparation of a cellular foamed body of a vinyl chloride-based resin which comprises:

- (a) blending in a known manner 100 parts by weight a vinyl chloride-based resin with at least 0.01 parts by weight of a nucleating agent and from 0.5 to 30 parts by weight of a foam conditioning resin selected from the group consisting of acrylic resins and styrene-based resins into resin composition.
 - (b) supplying the resin composition to an extruder machine,
- (c) heating at temperature not exceeding 250°C. the resin composition in the cylinder of the extruder machine under a superatmospheric pressure to convert the resin composition into an at least partly gelled mass,
- (d) injecting a volatilizable foaming agent which is an organic solvent having a boiling point not exceeding 90°C into the cylinder so that the resin composition is uniformly impregnated with the volatilizable foaming agent to produce a completely gelled mass and,
- (c) extruding the resin composition thus impregnated with the volatilizable foaming agent and completely gelled mass into a zone under a reduced pressure with simultaneous cooling so that the resin composition is expanded with the gas produced from the foaming agent into a cellular body.

(Compl. specn. 39 pages. Drg. Nil).

CLASS 31 A.

Int. Cl. H 01 g 9/00.

152734

IMPROVED IMPREGNATION CAPACITOR

Applicants: GENERAL ELECTRIC COMPANY OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventors: 1. GEORGE RAYMOND NEWCOMB.

Application No. 577/Cal/80 filed May 14, 1980,

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 claims

An electrical capacitor comprising a casing with electrical terminals thereon and one or more capacitor rolls in said casing and connected to the terminals and a dielectric fluid in the casing and impregnating the roll,

- (a) said roll comprising a pair of spaced metallic electrode full strips and a dielectric there between consisting solely of a synthetic resin material and comprising at least one synthetic resin strip,
- (b) said electrode foil strips having a full pattern of continuous uniform dimple-like structures coterminously on the surface thereof.
- (c) said dimple-like structures providing a foil thickness which is about 2 to 10 times the original thickness before winding in said roll.
- (d) said resin strip comprising polypropylene and having one of its surfaces of a roughened texture to provide a film space factor above about 3.0%, and
- (e) said fluid being selected from the class consisting of esters and hydrocarbons.

(Compl. speen. 32 pages. Drgs. 3 sheets).

CLASS 32 E

152735

Int. Cl. C 08 f 15/26.

A METHOD OF PRODUCING A JOINTED MEMBER FROM TWO MATING SURFACES

Applicants & Inventors : 1. GALINA LEONIDOVNA POPOVA OF PARKOVAYA ULITSA, 44, KORPUS 3. KV. 38, MOSCOW, USSR; (2) NIKOLAI SVRIDOVICH GAVRJUSHENKO OF ULITSA K. MARXA, 20 KV. 184, MOSCOW, USSR; (3) LIUDMILA ALEXEEVNA VOROBIEVA OF BAZOVSKAYAULITSA, 16 KV. 5, MOSCOW, USSR, (4) ARKADY DAVIDOVICH STOLYAR OF LENINGRADSKOE SHOSSE, 128, KORPUS 1, KV. 52, MOSCOW, USSR. (5) GALINA PAVLOVNA DROZDOVA, OF ULITSA KASHEN-KIN LUG, 9, KV. &, MOSCOW, USSR. (6) VALENTINA TROPIMOVNA SHASHKOVA, OF PROFSOJUZNAYA ULITSA. 111, KORPUS 1, KV. 24, MOSCOW. USSR, (7) NADESHDA ILINICHNA KRUKOVSKAYA OF DANILOVSKAYA NABERIZHNAYA, 6, KORPUS 8, KV 47 MOSCOW. USSR AND (8) ALEXANDR ALEXANDROVICH BORODKIN OF PFREULOK GAIDARA, 5, KV. 11, MOSCOW, USSR.

Application No. 760/Cal/80 filed July 1, 1980.

Appropriate office for opposition proceedings. (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 claims

A method for producing a jointed member from two mating surfaces by applying to one of said surfaces a first composition consisting of benzoyl peroxide, a copolymer of butylmethacrylate and methacrylamide and an organic solvent, followed by holding said surface with the composition for a lapse of time at least long enough for said organic solvent to evaporate applying to the said mating surface or the other mating surface a second composition, consisting of oligocarbonateacrylate, bis (5-methyl-3-tertbutyl-oxyphenyl), methane, ferrocene and aerosil or a mixture of acrosil with asbestos, aff a which the mating surfaces are brought in contact to each other

(Compl. speen, 24 pages, Drgs, Nil).

CLASS 172 E.

152736

Int. Cl. B 65 h 54/00,

WINDING APPARATUS FOR THREADS OR YARNS WINTERTHUR, SWITZERLAND

Applicants: MASCHINENFABRIK RIETER A. G. OF

Inventors: 1, FFLIX GRAF AND 2. ARMIN WIRZ,

Application No. 769/Cal/80 filed July 3, 1980.

Appropriate office for opposition proceedings, (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

12 claims

Winding apparatus for threads or yarns, with a bobbin support roll and a friction drive roll, which rolls are arranged mutually parallel and with their rotational axes contained super-imposed in a substantially vertical plane, and the bobbin support roll or the friction drive roll is being subject to the movements implied by the increase of the bobbin packages being built on the bobbin support roll, which movements are effected in the guides substantially parallel to the plane, the bobbin support roll or the friction drive roll is being pivotable in provements narallel to the plane about a pivoting axis, and the bobbin support roll being supported rotatably in a bearing located at one of its ends, characterized in that a coupling means (20, 30, 40, 50) is provided, using which the movements imply rotating movements of the pivotable roll (11, 64) about the pivoting axis (24, 52) in the sense of a forcible parallelization of the rolls.

(Compl. speen, 17 pages, Drgs, 2 sheets),

CLASS 32 F2 a; 55Fa; 60 X2 d.

152737

Int. Cl. A 61 k 27/00; C 07 c 63/00.

PROCESS FOR THE SEPARATION OF SUBSTANTIALLY PURE D-2-(6-METHOXY-2-NAPHTHYL) PROPIONIC

Applicants: SYNTEX CORPORATION OF BANK OF AMERICA BUILDING. NINTH FLOOR, CALIF 50 PANAMA AT 3401 HILLVIEW AVENUE, PALO ALTO, CALIFORNIA 94304, U.S.A.

Inventors: PERCY G. HOLTON.

Application No. 774/Cal/80 filed July 4, 1980.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 claims

A process for separating substantially pure d-2-(6-methoxy-2-naphthyl) propionic acid in form of its free acid or pharmaceutically acceptable salts thereof from a mixture of d and 1-2-(6-methoxy-2-naphthyl) propionic acid or salts thereof comprising:

preparing a mixture of 50 to 100 molar percent of N-R-D-glucamine or salt thereof based upon the d and 1 2-(6-methoxv-2-naphthvl) propionic acid or soluble salts thereof, where R is alkyl having 2 to 36 carbon atoms or cycloalkyl having 3 to 8 carbon atoms, in an inert solvent such as herein described to form the salts of d and 1 2-(6-methoxy-2-naphthyl) propionic acid with N-R-D, glucamine, the salt of d 2-(6-methoxy-2-naphthyl) propionic neid with the N-R-D-glucamine being significantly less soluble in the inert solvent than is the salt of 1 2-(6-methoxy-2-naphtyl) propionic acid with the N-R-D-glucamine at the temperature of crystallization;

crystallizing the salt of d 2-(6-methoxy-2-naphtyl) prinionic acid with N-R-D- glucamine from said mixture to yield a salt product enriched in the salt of d 2-(6-methoxy-2-naphthyl) propionic acid with N-R-D-glucamine.

Compl. specn. 51 pages. Drgs. Nil).

CLASS 47 A & E.

152738

Int. Cl. C 10 b 49/04. 57/16.

A FURNACE FOR BURNING SOLID FUEL

Applicants: CARL OSCAR ALEXANDER EKMAN OF BOX 55, 18251 DJURSHOLM 1. SWEDEN.

Inventors: VIKING VALENTIN DEMAR.

Application No. 854/Cal/80 filed July 25, 1980.

Convention date 10th August 1979 (27988/79) U.K.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Colcutta.

17 claims

A furnace for burning solid fuel comprising a reverberatory combustion chamber, a mechanical grate for advancing solid fuel along the grate through a metering opening, a fuel supplied duct for fuel to be supplied to fill the metering opening, a first set of air channels in the grate for passing a high velocity stream of air up through the fuel bed on the grate downstream of the metering opening and a second set of air channels in the grate for passing a restricted second stream of diffused air up through the grate, wherein the fuel duct is totally enclosed by effectively continuous and apertureless walls upstream of the metering opening so us to prevent any substantial airflow in any direction through fuel in the duct.

(Compl. specn, 22 pages, Drgs. 4 sheets).

CLASS 206 H₁.

152739

Int. Cl. H 03 f 5/00.

LOW-FREQUENCY POWER AMPLIFIER

Applicants: PATELHOLD PATENTVERWERTUNGS- & ELEKTRO-HOLDING AG. OF GLARUS, SWITZERLAND.

Inventors: 1. BOHUMIL KYRIAN, 2. JOHANN MILA-VEC AND 3. WILHELM TSCHOL.

Application No. 880/Cal/80 filed August 1, 1980.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

30 claims

An LF power amplifier for amplifying an input LF signal, comprising

means for generating a first pulse width modulated pulse train having a predetermined frequency, each of the pulses of said first pulse train having a predetermined height and the width of each of said pulses of said first pulse train being modulated as a function of said input signal;

means for generating a second pulse width modulated pulse train having such predetermined frequency, each of the pulses of said second pulse train having said predetermined height and the width of each of said pulses of said second pulse train being modulated as a function of said input signal;

first and second switch stage means, said first and second switch stage means receiving said first and second nulse trains respectively, and each being a.c. coupled and amplifying the pulses of said pulse train which it receives;

means for combining said first and second nulse trains after they have been amplified by said first and second switch stage means, respectively, to form a combined pulse train; and

Low pass filter means for filtering said combined pulse train.

(Compl. specn. 18 pages, Drgs, 3 sheets).

CLASS 194 Ca.

152740.

Int. Cl. H 011 15/02.

A METHOD OF APPLYING AN ANTIREFLECTIVE COATING ON SILICON AND A COATED SILICON CHIP THEREBY OBTAINED

Applicants: WESTINGHOUSE FLECTRIC CORPORATION OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors: 1. BULENT ERTURK YOLDAS AND 2. LUBOMYRA ANNA YOLDAS.

Application No. 882/Cal/80 filed August 2, 1980.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 claims

A method of applying an antireflective coating on silicon comprising the steps of : applying a coating to said silicon which upon processing becomes antireffective, said coating from an alkoxide solution partially hydrolyzed with water comprising at least 40% than a having dopant properties; and further characterized by the step of heating the coated silicon above the diffusion temperature of the dopant to form a PN junction in said silicon.

(Compl. specn. 20 pages, Drgs. 4 sheets)

CLASS 205 B.

152741

Int. Cl. B 60 c 9/009/02.

PROCESS OF MANUFACTURING TIRES FOR VEHICLE WHEELS

Applicants: MICHELIN & CIE OF 4, RUE DU TER-RAIL, 63040 CLERMONT-FERRAND, FRANCE

Inventors: 1. JEAN-PIERRE CESAR AND 2. ANDRE SCHNEIDER.

Application No. 892/Cal/80 filed August 5, 1980,

Appropriate office for opposition proceedings, (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

9 claims

A process of manufacturing a tire using a carcass expandable into toroidal shape with two sidewalls loined to each other by an equatorial connecting element, each sidewall being terminated by a bead, and a crown reinforcement placed around said carcass and formed of at least two plies of wires of cables which are paralled in each ply and crossed from one ply to the next forming acute angles with the circumferential direction of the tire, characterized by the fact that as the crown reinforcement there is used at least one annular net which is continuous in the circumferential direction of the tire and elastically deformable so that in deformed state its developed length is equal to the developed length of the equatorial connecting element, this net being formed of two superimposed plies of wires parallel in each ply and crossed from one ply to other at an angle at most equal to 90° with respect to the circumferential direction of the tire, at least the outside of the wires being formed of an elastic material which permits welding of the wires of one ply to those of the other ply at the points where they intersect.

(Compl. specn. 14 pages. Drgs. 2 sheets).

CLASS 9 E.

152742

Int. Cl. C 22 c 11/00.

A PROCESS FOR THE PREPARATION OF A BATTERY GRID TISEFUL FOR SUPPORTING ELECTRO-CHEMICALLY ACTIVE MATERIAL IN A LEAD-ACID BATTERY

2--517GI/83

Applicants: GOULD INC, E-1200 FIRST NATIONAL BANK BLDG., ST. PAUL, MINNESOTA, U.S.A.

Inventors: 1. PURUSHOTHAMA RAO AND 2. JAMES FLORIAN TRENTER.

Application No. 1011/Cal/80 filed September 4, 1980.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 claims

A process for the preparation of a battery grid useful for supporting an electrochemically active material in a lead-acid battery system, said grid being directly cast by a process as known perse from an alloy having the contents essentially:

from about 1.0 to about 2.8 wt. % antimony

from about 0.1 to about 0.4 wt. % tin;

from about .005 to about .03 wt. % selenium;

from about .004 to about .012 wt. % silver; and the balance lead.

(Compl. specn. 18 pages. Drgs. Nil).

CLASS 157 Da b.

152743

Int. Cl. E 01 b 3/16.

A RAILROAD SLEEPER

Applicants: OMARK INDUSTRIES, INC., OF 5550 S. W. MACADAM AVENUE, PORTLAND, OREGON, 97201, UNITED STATES OF AMERICA.

Inventors: WILLIAM FALLKNER LANGMAN.

Application No. 1196/Cal/80 filed October 23, 1980.

Convention date. 27th November, 1979 (PE 1496) Australia.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

A railroad sleeper formed of steel and having side walls and an upper wall, characterised by two pairs of upwardly formed protuberances in the upper wall, the protuberances of each pair defining between then a respective rail retaining recess.

(Compl. speen, 10 pages, Drgs. 3 sheets)

CLASS 187 E.

152744.

Int. Cl. H 04 m 1/00.

CIRCUITAL ARRANGEMENT ADAPTED TO DETECT THE ELECTRIC FEATURES OF BOTH ANALOGICAL AND DIGITAL TRUNKS ASSOCIATED WITH A

TRANSIT TELEPHONE EXCHANGE OF DIGITAL TYPE

Applicants: ITALTEL SOCIETA ITALIANA TLE-COMUNICAZIONI S.P.A. OF PIAZZALE ZAVATTARI 12, 20149 MILAN, ITALY.

Inventors: 1. BRUNO BARTOLOMMEI, 2 AMILCARE BOVO AND 3. RICCARDO SCARCELLI.

Application No. 232/Cal/81 filed March 3, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 claims

Circuital arrangement adapted to detect the electrical features of both analogical and digital trunks connected to a transit telephone exchange of digital type, which comprises a central control unit designed to control switching of the codes arriving

at a connection network by way of a plurality of both digital and analogical trunks, these latter by way of a multiplator-demultiplator PCM, and characterized in that it provides the presence in combination of the following characteristic elements.

—an interface unit (LIC) with the central control, said unit being adapted to serially receive and send data and synchronizing signals from and towards the central control (CC), and further adapted to send and receive messages from and towards a bidirectional bus; —a testing unit (UPA) of analogical trunks, which comprises a receiving section (SR_n) able to detect, according to the time-division principle the level at which the connection network, by way of n analogical trunks receives n test frequencies presenting a plurality of values transmitted by the other terminal of said trunks, and further comprising a transmitting section (ST_n) able to generate in a digital way according to the time-division principle, n test frequencies presenting a plurality of values; —a testing unit (UPD) of digital trunks, which is connected to the bi-directional bus and comprises a transmitted section (STD) adapted to generated testing Linary configurations and a further receiving section (RSD) adapted to compare the binary configurations generated by the transmitting section with the same configurations after they have been recycled by way of the connection network (RC), said unit being further adapted to count in a prefixed time interval, how many times the logical value 1 is provided by bit 3 of the synchronizing word B associated with the frame transmitted by way of the digital lineunder test, and turther designed to count the number of state variations of bit 4 associated to the same synchronizing word B;

ma microprocessor (MIP) connected to the bidirectional bus providing to ex-change messages with the central control (CC) as well as to co-ordinate the operations and to receive the results of the tests performed by both the testing unit of the analogical trunks (UPA) and the testing unit of the digital trunks (UPD);

—an interface unit (UIP) towards the connection network comprising a receiving section (SR) adapted to supply the said testing units (UPA, UPD) with both timing impulses and data, and further comprising a transmitting section (ST) adopted to re-establish and code the PCM signals to be sent on to the connection network

(Compl. specn 38 pages. Drgs, 4 sheets)

CLASS 55 D₂.

152745.

Int. Cl A 01 n 9/02, 17/04; 17/12, D 21 h 5/55.

A PROCESS FOR THE MANUFACTURE OF A FORMULATION DEVICE FOR DISPENSING INSECTICIDE VAPOURS

Applicants: ATRWICK AG., WEBERGASSE 34, 4002 BASLE; SWITZERLAND.

Inventors: 1. CLAUDE HENNART AND 2. JACQUES COURDENT.

Application No. 240 (Cal/81 filed March 5, 1981.

Appropriate office for opposition proceedings, (Rule 4. Patents Rules, 1972) Patent Office, Culcutta.

19 claims.

A process for the manufacture of a formulation device for use in or on a heating apparatus for dispensing insecticidal vapours wherein insecticidal substance containing compositions as hereindescribed are disposed on a solid carrier as hereindescribed characterized by absorbing covered different solid compositions each containing an insecticidal substance in juxta-position on a plate-like absorptive bulk material as hereindescribed the said active substances being selected in at least one of the composition, from the group comprising the pyrenthrinoids and isopyrenthrinoids.

(Compl. specn. 24 pages. Drgs. Nil).

CLASS 68 E1.

152746.

Int. Cl. G 05 f 1/00, H 02 h 9/04,

SURGE APPRESTER

Applicants: SIEMENS AKTIENGESELLSCHAFT OF BERLIN AND MUNICH, WEST GERMANY.

Inventors: 1. MICHAEL CRUCIUS AND 2. MOHAMED AZIZ HASSAN.

Application No. 328/Cal/81 filed March 26, 1981.

Appropriate office for opposition proceedings, (Rule 4; Patents Rules, 1972) Patent Office, Calcutta.

12 claims.

A surge arrester comprising a plurality of substantially parallel columns containing conductive platform elements and insulating support bodies, there being arrester elements arranged in planes which lie across the directions of extent of said columns, in each of said planes there being a conductive platform elements which provide terminal and connecting means between ones of the columns, and n-1 arrester elements interconnected between these columns by these a conductive platform elements.

Compl. specn, 16 pages, Drgs 2 sheets).

CLASS 128 G.

152747.

Int. Cl. A 61 j 3/00.

INTRAUTERINE BIRTH CONTROL DEVICES AND A METHOD FOR MANUFACTURING THE SAME

Applicants: OUTKUMPU OY OF OUTOKUMPU, FIN-LAND.

Inventors: 1. AHTI ARVO KOSONEN.

Application No. 360/Cal/81 filed April 1, 1981.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 claims.

An intrauterine birth control device, comprising a copper wire having a corrosion-resistant core wire, characterized in that the corrosion-resistant core wire is of some flexible metal nobler than copper, and the copper coating is attached to this metal by means of a thin diffusion layer.

Compl. specn. 7 pages. Drgs. Nil).

CLASS 16 A.

152748.

Int. Cl. G 08 b 3/00.

PNEUMATICALLY OPERATED CALLING BELLS

Applicants: NIRMAL KUMAR FATESARIA OF 52, OWNERS COURT, 6, MAYFAIR ROAD, CALCUTTA-700 019, STATE OF WEST BENGAL, INDIA.

Application No. 615/Cal/81 filed June 8, 1981.

Complete Specification left September 4, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

14 claims.

A pneumatically operated calling bell comprising of a push Switch connected to a bell unit by means of a hollow pipe, said bell unit consisting of a base plate having a bellows mounted on a stand connected with said hollow pipe, a cover provided with said base plate, said bellows being further connected with a spring loaded sliding plate and adapted to actuate a first and a second striker on a first and a second

metallic plate respectively which are loosely mo	
stands provided with the base plate by means of pins through a first and a second spring operated	
mounted levers.	Totalabij

(Prov. specn. 7 pages. Prov. Drgs. 1 sheet).

(Compl. specn. 17 pages. Comp. Drgs. 2 sheets).

OPPOSITION PROCEEDINGS

The application for patent No. 148944 made by Chittur Krishnier Narendra and Anandu Krishna Khargekar in respect of which opposition was entered by Sicco Electric Shock Control Device Private Limited as notified in the Gazette of India, Part-III, Section 2 dated the 16th January, 1982, the opposition has been allowed and ordered that the grant of a patent on the application refused.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta.

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CHEMICAL LIST-3

COMMERCIAL WORKING OF THE PATENTED INVENTIONS

The following Patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of Patents Act, 1970, in respect of Calender year 1982, generally on account of want of requests for licences to work the Patented inventions. Persons who are interested to work the said Patents commercially may contact the Patentees for the grant of a licence for the purpose.

Si. N	Io. Patent No.	Date of Patent	Name and Address of the Patentee	Title of Inventions
1	2	3	4	5
1.	133612	15-11-1971	ESSO RESEARCH & ENGINEERING COMPANY OF LINDEN, NEW JERSEY.	Lithium soap grease.
2.	133625	15-11-1971	HALDOR FREDERIK AXEL TOP- SOE, of Frydenlundsvej, Vedback, Den- mark.	Process for the manufacture of ethylalcohol.
3.	133669	17-7-1972	HINDUSTAN LEVER LIMITED of Hindustan Lever House, 165-166, Back bay Reclamation Bombay-20, Maharashtra.	Niacin-containing skin lightening composition.
4.	133677	19-11-1971	FARBWERKE HOECHST AKTIEN- GESELLS-CHAFT VORMALS MEI STER LUCIUS & BRUNING, of 45 Bruning strasse, Frankfurt/Main, Federal Republic of Germany.	Process for the manufacture of water soluble monoazo dyestuffs.
5.	133710	23-11-1971	Do.	Process for the manufacture of copper complex monoazo dyestuffs.

1	2	3	4	5
6.	133711	23-11-1971	THE LUBRIZOL CORPORATION OF CLEVELAND, OHIO, 44117. U.S.A.	Method of flocculating solids suspended in ageous medium.
7.	133734	25-11-1971	CIBA-GEIGY AG of Klybeckstrasse 141 Basle, Switzerland	Treatment of Water system for preventing scale formation.
8.	133738	25-11-1971	FARBWERKE HOECHST AG VOR- MALS MEISTER LUCIUS & BRU- NING. of 45 Bruningstrasse Frankfurt/ Main, Federal Republic of Germany.	Process for the preparation of Water soluble disazo dyestuffs.
9.	133740	25-11-1971	FAIR CHILD CAMERA & INSTRU- MENT CORPORATION OF 464, Ellis Street, Mountain View, California, 94040, U.S.A.	A method of fabricating integrated circuits with oxidised isolation.
10.	133782	29-11-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. of Carel Van Bylandtlasn 30, The Hague, The Neth orlands.	Process for the manufacture of synthetic fibres and fibres produced thereby.
11.	133819	1-12-1971	FARBWERKE HOECHST AG VOR- MALS MEISTER LUCIUS & BRU- NING, of 45 Bruningstrasse, Frankfurt/ Main, Federal Republic of Germany.	Process for manufacturing Water soluble metal com lex menoazodyestuffs.
12.	133821	1-12-1971	ETHICON INC. OF SOMMERVILLE, New Jarsey, U.S.A.	Process for obtaining a sterile absorbable surgical suture.
13,	133840	3-12-1971	FARBWERKE HOECHST AKTIEN- GESE-LLSCHAFT VORMALS MEI- STER LUCIUS & BRUNING OF 45 Bruningstrasse, Frankfurt/Main, F.R.G.	Process for the production Water soluble monoazo dyestuffs.
14.	133928	13-12-1971	SHOWA DENKO KABUSHIKI KAI- SHA OF NO. 34 Shiba Miyo, Moto- cho, Tokyo, Japan.	Sintered agglomerates & method of producing the same.
15.	133956	1 5-12-1971	SNAMPROGETTI S.P.A. OF 16 Corso Venezia, Milan Italy.	Process for the recovery of aromatic hydrocarbons from mixtures containing the xame.
16.	133969	16-2-1972	Do.	Process for the recovery of isoprene from mixtures containing the same.
17.	133997	18-12-1971	MITSUI PETROCHEMICAL INDUSTRIES LTD. of 2-5, 3-Chome, Kasumigaseki, Chiyoda-ku, Tokyo, Japan.	Improved process for producing terephthalic acid.
18.	134023	21-12-1971	SHELL INTERNATIONALE RESE- ARCH MAATSCHAPPIJ B.V. of Catel Van Bylandtlaan 30, The Hague, The Netherlands.	A process for recovering ethylene oxide.
19.	134070	27-12-1971	STAMICARBON B.V. OF VAN DER MAESENSTRAAT 2, Heerlen. The Netherlands.	Improved process for preparing urea.
20.	134099	28-12-1971	UNIVERSAL OIL PRODUCTS INC. OF TEN UOP Plaza-Algonquin & Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Hydrocarbon separation process.
21.	134107	28-12-1971	FARBWERKE HOECHST AKTIEN- GESELLSCHAFT VORMALS MEIS- TER LUCIUS & BRUNING OF 45, Bruning strasse Frankfurt/Main, Fede- ral Republic of Germany.	Process for the manufacture of Water soluble fibre reactive azo dyestuffs.
22.	134135	30-12-1971	SNAMPROGETTI S.P.A, of 16 Corso Venezia, Milan, Italy.	Process for separation of conjugated diolefins from mixtures containing them.
23.	134146	31-12-1971	CLUETT, PEABODY & CO. of 433 River Street, Troy, New York, U.S.A.	Method of apparatus for quickly treating fabrics with liquid ammonia.
24.	134147	31-12-1971	SINLOIHI CO. of No. 38 Nishinoshi- mono-cho, konohana-ku, Osaka-shi, Japan.	Process for preparation of coloured resin particles.

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25.	134151	31-12-1971	FARBWERKE HOECHST A.G. VOR- MALS MEISTER, LUCIUS & Bru- ning of 45 Bruningstrasse, Frankfurt/ Main, F.R.G.	Process for the preparation of basic oxazine dyestuffs.
26.	134152	31-12-1971	Do,	Process for the preparation of water soluble reactive mono-azo dyestuffs.
27.	134184	4-1-1972	KAUTEX WERKE REINOLDHAG- EN GMBH of 5300 Bonn Holzler 1, West Germany.	Method of and apparatus for producing tubular bodies of thermoplastic synthetic resin material.
28.	134187	5-1-1972	UNION CARBIDE CORPORATION OF 270 Parkavenue, New York, State of New York-10017, U.S.A.	Adsorption process for recovery of nitrogen oxides from gas streams.
29.	134189	5-1-1972	UNIVERSAL OIL PRODUCTS COM- PANY OF TEN UOP Plaza-Algonquin & Mt. Prospect Roads, Des Plaines Illi- nois, U.S.A.	Method of preparing improved hydro desulfurization Catalyst.
30.	134206	6-1-1973	INDIAN EXPLOSIVES LTD of 34 Chowringhee, Road, I.C.1. House, Calcutta-16, West Bengal, India.	Inorganic oxidisor salt containing age- ous slurry type blasting composition containing a mixture of fuel gas & oxy- gen as novel sensitisers.
31.	134208	6-1-1972	FARBWERKE HOECHST A.G. VOR-MALS MEISTER LUCIUS & BRU-NING OF 45, Bruningstrasse, Frankfurt/main, Federal Republic of Germany.	Shape article made of thermoplastic molding compositions on the basis of polyoxymethylenes and process for the manufacture thereof.
32.	134247	11-1-1972	(1 U.C.B.S.A. a Belgium Company, & 2) MIKHAIL, Govrilovitch Slinko of 1) 4 Chausse de Charleroi Saint-Gilles-lez- Bruxelles, Belgium & 2) Akadomgoro- dok, Novosibirsk-72, Silberia, U.S.S.R.	A process for carrying out catalytic fluid-bed ammoxidation reaction.
33.	134299	17-1-1972	KNAPSACK AKTIENGASELL SCH- AFT of Knapsack Near Koln, REPUB- LIC OF GERMANY.	Production of acrylonitrile & methyl acrylonitrile.
34.	134325	19-1-1972	TEXACO DEVELOPMENT CORPORATION OF 135 East 42nd Street, New York, New York-10017, U.S.A.	Fuel burner and process for gas manufacture.
35.	134399	25-1-1972	LAPORTE INDUSTRIES LTD OF Hanover House, 14 Hanover Square, London WIRobe England.	Improvements in beneficiation of ores.
36.	134409	28-1-1972	ALCAN RESEARCH & DEVELOP- MENT LTD. OF 1 Place Ville, Marie, Montreal, Quebec, Canada.	Direct dull casting of ingots.
37.	134444	31-1-1972	POLYSAR LIMITED of Sarnia, On- turio, Canada.	Vulcanization of elastomers.
38,	134445	31-1-1972	HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE 165-166 Backbay Reclamation, Bombay-20, India.	Toothpastes.
39.	134490	3-2-1972	SNAMPROGETTI, S.P.A. of 16 Corso, Venezia, milan, Italy.	Process for the polymerization of Ole- fine at high pressure in tubular reactor.
40.	134536	8-2-1972	STAMICARBON N.V. OF VAN DER MAESEN-STRAAT 2, Heorlen, Nethorlands.	Processing plant for processing at ele- vated temperature solutions containing ammonium carbo nate.
41.	134679	19-2-1972	SHERRITT GORDON MINES LI- MITED OF 25 king Street, West Toron- to, Ontario, Canada.	Process for the treatment of Nickel & cobalt bearing material.
42.	134694	21-2-1972	INTERNATIONAL NICKEL LIMIT ED OF THAMES House, Millbenk, London, S.W.I. ENGLAND	Process for the preparation of chro- mlumnichel alloy products.
43.	134718	23-2-1972	HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165-166, Backbay Reclamation, Bombay-400 020, India.	Process for the production of Cold Water soluble tea.

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44	134733	2 4-2- 1972	UNION CARBIDE CORPORATION OF 270 Park Avenue, New York, State of New York-10017, U.S.A.	Process for olefin separation.
45	134748	25-2-1972	INSTITUT DE RECHOIDAS DE LA SIDERURGIE, FRANCAISE OF 185, Rue President Raosvelt-78, Saint German-en-Laye, France.	Improvements in or relating to the metal feed supply of metallurgical plants which require regular flow of molten metal.
46	134753	25-2-1972	JOSEPH LUCAS (INDUSTRIES) LTD OF GREAT KING STREET, Birmingham-19, England.	Method of and apparatus for scaling an inert gas under pressure in a container.
47	134783	1-3-1972	SHINETSU CHEMICAL COMPANY OF 6-1 otemachi 2-chome, Chiyoda-ku, Tokyo, Japan.	Method for suspension-polymerizing vinyl chloride.
48	134799	2-3-1972	SNAMPROGETTI SPA OF 16 corso, Venezia, Milan, Italy	Method for inhibiting the polymeriza- tion of conjugated dienes
49	134816	3-3-1972	JOHNSON & JOHNSON OF 501, Georgo Street, New Brunswick, New Jersey, U.S.A.	Method of making seltable plaster of paris.
50	134832	4-3-1972	Do	Method of improving gypsum cast forming compositions.
51	134840	6-3-1972	SHELL INTERNATIONALE RE- SEARCH MAATSCHAPPIJ, B.V. OF Carel Van Bylandtlaan 30, The Hague, The Netherlands	Process for the removal of soot gram aqueous suspension thereof.
52	134860	7-3-1972	UNIVERSAL OIL PRODUCTS OF TEN UOP PLAIA-ALGONQUIN Mt Prospect Roads, Des Plaines, Illinois, U.S.A.	Hydrocarbon separating process,
53.	134871	8-3-1972	SHELL INTERNATIONALE RE- SEARCH MAATSCHAPPII, B.V. of Carel Van Bylandtlaan, the Hague, The Netherlands.	Butadiene Recovery Process.
54.	134973	17-3-1972	EIAT FRANCAISE OF 12 Quai Henri IV Paris 4 eme, France.	Propulsive compositions.
55.	134976	17-3-1972	NIPPON KOKAN KABUSHIKI KAI- SHA OF 1-3, 1-Chome, Otemachi, Chiyoda-ku, Tokyo, Japan.	Method for controlling the amount of silicon contained in an impurity in high carbon ferro chromium.
56.	135013	21-3-1972	RHONE, PROGIL OF RUE, Piccini, 75, Paris, 16e, France.	Method of producing phosphoric acid and calcium sulphate.
57,	135043	24-3-1972	UNIVERSAL OIL PRODUCTS OF TEN UOP PLAZA-ALGONQUÍN & Mt. Prospect Roads, Des Plaines Illinois, U.S.A.	Method of preparing a hydro-refining catalyst.
58.	135096	29-3-1972	TELEFONAKTIE BOLAGET. L.M. ERICSSON OF 12611. Stockholm 32, Sweden.	Process for electroplating an aluminium wire.
5 9.	135128	3-4-1972	SAINT-GOBAIN INDUSTRIES OF 62 Boulevard Victor Hugo Nuilly-surseine, France.	Method and apparatus for the manufacture of fibres from molten thermoplastic material.
60.	135134	3-4-1972	LAPORATE INDUSTRIES LIMITED OF HANOVER HOUSE, 14, Hanover square London WIR OBE, England.	Improvements in and relating to a process of beeficiation of ilmenite ores.
61.	135139	3-4-1972	RHONE-PROGIL-OF 06 Rue Piccini, 75 Paris 16 e. France.	A Process for bulk polymerizing vinyl chloride or vinyl chloride & another monomer.
62,	135150	4-4-1972	SHERRITT GORDON MINES LI- MITED of 25 king Street, West Toronto, Ontorio, Canada.	Method for reduction roasting Nickeli- ferrous laterite ores.

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63.	135204	7-4-1972	PENNWALT CORPORATION OF PENNWALT BUILDING THREE PARKWAY, Phildelphia, Pennsylva- nia - 19102, U.S.A.	Purification of gaseous hydrogen chloride.
64.	135231	11-4-1972	UNILEVER LIMITED of Unilever House, Blackfriars, London E.C4, England.	A process for the preparation of instant tea powder.
65.	135246	11-4-1972	E.I. DU PONT DE NEMOURS & CO. OF Wilmington, Delaware, United States of America.	Method for preparing improved polyamide fibres and films.
66.	135315	18-4-1972	(1) NITTO CHEMICAL INDUSTRY CO. LTD. & (2) MITSUBISHI RAYON CO. LTD. of (1) 5-1, Marunouchi, 1-chome, chiyudaku, TOKYO-to Japan. &(2) of 8, 2-chome. kyobashi chuo-ku, TOKYO-to, Japan.	Process and apparatus for the production of acetone cyanohydrin.
67.	135328	19-4-1972	UNILEVER LIMITED OF UNILE- VER HOUSE, Blackfrairs, London, E.C. 4, England.	A process for the preparation of instant tea powder.
68.	135356	23-5-1972	KNAPSACK AKTIENGESELLSCH- AFT OF KNAPSACK near Koln, F.R.G.	Process for the manufacture of acrylon-trile or methyl acrylonitrile.
69.	135382	15-2-1971	SNAMPROGETTI S.P.A. OF 16 corso, Venezia, Milan, Italy.	Process for polymerizing a conjugated diene.
70.	135383	15-2-1972	Do.	Process for preparing a polyimine of aluminium,
71.	135477	29-7-1972	UNIVERSAL OIL PRODUCTS OF TEN UOP PLAZA-ALGONQUIN & MT. PROSPECT ROADS, Des- Plaines, Illinois, U.S.A.	Hydrocarbon separation process.
72.	135496	27-6-1972	Do.	Improved process for conversion of aklylaromatic hydrocarbon to alkenyl aromatic hydrocarbons.
73.	135507	24-9-1971	UNION CARBIDE CORPORATION OF 270 Park Avenue, New York, State of New York 10017, U.S.A.	A process for improving the properties of ethylene polymerization catalysts.
74.	135517	18-5-1972	HOECHST AKTIENGESELLSCHAFT, of 6230 Frankfurt/Main 80 F.R.G.	Process for the manufacture of an ammoxidation catalysts.
75.	135581	14-10-1971	THE MEAD CORPORATION OF Tal- bolt tower, Dayton, Ohio-45402, U.S.A.	Apparatus for conducting chemical reactants between fluid reactants.

CHEMICAL LIST NO. 4

COMMERCIAL WORKING OF THE PATENTED INVENTIONS

The following Patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the Statements filed by them under 146 (2) of Patents Act, 1970, in respect of calendar year 1982, generally on account of want of requests for licences to work the Patented inventions. Persons who are interested to work the said patents commercially may contact the Patentees for the grant of a licence for the purpose.

Sì. No.	Patent No.	Date of Patent	Name and Address of the Patentees	Title of the Inventions
1	2	3	4	5
1.	135634	6-6-1972	SOCIETE MINIERE ET METALLUR- GIQUE DE PENARROYA OF, 1, Boulevard de vangirard, Paris, France.	Improved reactor for the production of lead-oxide with high free lead content.
2.	135639	2-8-1972	THE RUBBER RESEARCH INSTITUTE OF MALAYA OF 3rd Mile Ampang Road, Kuala Lumpur, Malaya.	A method of removing protein from natural Rubber.

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3.	135692	5-5-1972	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ, B. V. of Carel Van Bylandtlaan 30, The Hague, The Notherlands.	A process for the manufacture of gas mixtures containing carbon monoxide and hydrogen by the partial combustion of fuel in a reactor operated at relatively low pressure.
4.	135741	1-5-1972	SHERRITT GORDON MINES LTD. OF 25 King street, West Toronto Ontario, Canada.	Production of Nickel powder from a basic nickel carbonate.
5.	135799	17-5-1972	THE GOOD YEAR TIRE & RUBBER COMPANY OF 1144 East Market Street, Akron, Ohlo, U.S.A.	Improvement relating to a process for preparing age resistant polymers.
6.	135803	3-5-1972	UNIVERSAL OIL PRODUCTS COM- PANY OF TENUOP PLAZA-ALGON- QUIN & MT. Prospect Ropads, Des Plaines, Illinois, U.S.A.	Fluidized catalytic cracking or fluidized catalytic dehydrogenation-process.
7.	135805	23-10-1972	TEXACO DEVELOPMENT CORPORATION OF 135, East 42nd Stroot, New York-10017, U.S.A.	Process for the production of a reducing gas.
8.	135810	4-9-1972	FARBWERKE HOECHST AKTIEN- GESELLSCHAFT VORMALS, MEI- STER LUCIUS & BRUNING, of 45, Bruningstrasse, Frankfurt/Main, F.R.G.	Process for the preparation of fast dyeing & prints on fibrous materials containing hydroxyl groups on nitrogen.
9.	135863	5-7-1972	RHONE-PROGIL OF 6 Rue Piccini 75 Parls 16C, France.	A process for carrying out bulk polymerization.
10.	135863	5+7-1972	RHONE-PROGIL of 6 Rue Piccini 75 Paris 16 C, Franco.	A process for carrying out bulk polymerization.
11.	135878	20-6-1972	International Nickel Limited of Thames House, Millbank, London, SW1, P 4QF.	Improvements in or relating to a method of obtaining a chromium containing alloy.
12.	135899	23-5-1972	HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165- 166 Backbay Reclamation, Bombay-20, Maharashtra, India.	A method of protecting hypo chlorites for inclusion in a detergent composition.
13.	135902	10-7 1972	HTE GOOD YEAR TIRE & RUBBER COMPANY OF 1144 East Market Street, Akton, Ohio, U.S.A.	A process of preparing 2-(4 morpholino-dithio)-benzo thiazole.
14.	135937	4-7-1972	FARBWERKE HOECHST A G VORMALS MEISTER LUCIUS & BRUNING, of 45 Bruningstrasse Frank- furt/Main, F R.G.	Process for the preparation of Water soluble reactive xanthene dyestuffs.
15.	135945	20-6-1972	MITSUBISHI RAYON CO. LTD OF 8, Kyobashi, 2-Chome, Chuo-ku, Tokyo, Japan.	Process for continuous production of methyl methaerylate.
16.	136010	6-9-1972	FMC CORPORATION OF 633, Third, Avenue New York-17, U.S.A.	Curing of green briquottes with air.
17.	136017	28-4-1972	AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION of P. O. Polytochnic, Ahmedabad-15, India.	A process for preparation of granular alkali metals salts of carboxymethyl ethers of polysaccharides.
18.	136024	11-8-1972	CINCINNATI MILACRON CHEMI- CALS INC. OF Reading, Ohio, U.S.A.	Preparation of dimethyltin esters.
19.	136076	28-4-1972	HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE- 165- 166 Backbay Reclamation, Bombay-20, INDIA.	Detergent composition and a method for preparing the same.
20.	136123	1-8-1972	CIBA-GEIGY AG of 141 Klybeck-strasse, Basle, Switzerland.	Process for manufacturing new dyestuff salts.

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21.	136168	5-1-1973	SHELL INTERNATIONALE RE- SEARCH MAATSCHAPPIJ, B. V. of CarelvanBylandtlaan30, The Hague, The Netherlands.	Process for producing silver catalyst.
22.	136198	31-10-1972	ECAR PRODUCTS INC. (GREAT EASTERN & ETC.) of Wilmington. Delaware, U.S.A.	Process for de-inking primed waste cellulosic stock.
23.	136262	17-8-1972	FARBWERKE HOECHST A. G. VORMALS MEISTER LUCIUS & BRUNI NG. of 45 Bruningstrasse, Frankfurt/Maln, F.R G	New water soluble monoazo-pyrazolore dyestuffs and a process for preparing them.
24.	136321	19-5-1972	SHERRITT GORDON MINES LI- MITED of 2800, Commerce Court West. Toronto, Ontario, Canada.	Production of Nickel powder from basic Nickel carbonate.
25.	136340	5-1-1973	SHELL INTERNATIONALE RE- SEARCH MAATSCHAPPIJ, B. V. of Carel van Bylandtlaan 30, The Hague, The Netherlands.	Process for the preparation of cthylene oxide.
26.	136349	11-7-1972	FARBWERKE HOECHST AKTIEN- GESELLSCHAFT VORMALS, MEI- STER LUCIUS & BRUNING, of 45 Brunningstrasse, Frankfürt/Main, F.R.G.	Process for the preparation of fluoro-carbon waxes.
27.	136375	1-12-1972	EISENWERK GESELLSCHAFT MA- XIMILIANSHUTTE, m.b.H. of 8458 Sulzback-Rosenberg, West Germany.	Process for refining low-phosphorous pig iron to make steel.
28.	136395	29-9-1972	UNION CARBIDE CORPORATION of 270 Park Avenue, New York, State of New York 10017, U.S.A.	Reduced mercury-containing zinc alkaline cells.
29.	136567	21-6-1972	HOECHST AKTIENGESELLSCHAFT of 6230, Frankfurt/Main, F.R.G.	Process for the preparation of sulfo- succinic acid semi-esters.
30.	136577	30 -1-197 3	OXYSYNTHESE OF 6, Rue, Cognacq-Jay 75007, Paris, France.	A method of and apparatus for purifica- tion of industrial fuel gases combustion products and gaseous effluents before rejection to atmosphere.
31.	136614	26-8-1972	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B, V. of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	A process for the concentration and purification of aqueous solution of ethylare oxide,
32.	136668	21-6-1972	HOECHST AKTIENGASELLSCHAFT OF FRANKFURT/MAIN 80 F.R.G.	Dyestuff Dispersions.
33.	136768	27-7-1971	JONSON & JOHNSON of 501 George Street, New Brunswick, New Jersey, U.S.A.	Improvements in or relating to synthetic resin birder composition for Fording porous absorbent, fibrous materials.
34.	136810	16-6-1972	JOHNSON & JOHNSON OF 501 George Street, New Brunswick, New Jersey, U.S.A.	A process for preparing pressure sensitive adhesive composition.
35.	136811	16-6-1973	JOHNSON & JOHNSON OF 501 George Street, New Brunswick, Jew Jersey, U.S.A.	Process for preparing acrylate adhesive composition.
36.	136819	2-11-1972	HOECHST AKTIENGESELLSCHAFT OF 6230 Frankfurt/Main 80, F. R. G.	Process for effecting direct oxidation of ethylene with molecular oxygen to ethylene oxide.
37.	136833	2-11-1972	Do.	Process for preparation of sulfuric acid ester of 1-aminobenzene-4 (B-hydroxy ethyl-sulfone) 2-2-sulfonic acid.

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38.	136843	26-4-1972	SHELL INTERNATIONALE RE- SEARCH MAATSCHAPPIJ B. V. of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	A process for recovery of ethylene oxide.
39.	136844	15-9-1972	INTERNATIONAL NICKEL LIMITED OF THAMES HOUSE, MILLBANK, LONDON SWIP 4 QF.	Process of preparing Nickel-chromium steel casting.
40.	136863	24-5-1972	NORTON COMPANY OF 1 NEW BOND STREET WORCESTER, State of Massachusetts U.S.A.	A method of making alumina-Zinconia abrasive material.
41.	136864	1-6-1972	ETAT FRANCAISE OF 12 Quai Henri IV, Paris.	A method of preparing a propergol.
42.	136878	13-7-1972	GLAVERBEL-MECANIVER OF 166 Chaussee de la Huple Watermael, Boit- fort, Belgium.	Process and apparatus for manufacturing sheets glasses.
43.	136923	21-8-1972	USS ENGINEERS & CONSULTANTS INC OF 600 Grant Street, Pittsburg, State of Pennsylvania, U.S.A.,	Method and apparatus for a continuous casting of a partially solidified strand of metal.
44	136927	4-9-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ, B. V. of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	An improved process for preparing oxirane compounds by epoxidizing olefins with hydroperoxides.
45.	136956	18-8-1972	ETAT FRANCAISE OF 12 Quai Henri IV, 75 Paris 4 eme, France.	Ignition powder.
46.	137015	13-10-1972	JOHNSON & JOHNSON OF 501, George Street, New Brunswick, New Jersey, U.S.A.	A normally tacky and pressure sensitive adhesive tape.
47.	137113	21-8-1972	THE LUBRIZOL CORPORATION OF P. O. BOX, 3057, Euclid Station, Cleveland, Ohio 44117, U.S.A.	A method for the preparation of oil soluble basic barium containing compositions.
48.	137184	4-10-1972	UDDEHOLMS AKTIEBOLAG of Uddeholm, Sweden.	Metallurgical Process.
49.	137193	13-6-1973	MITSUBISHT KINZOKU KOGYO KABUSHIKI KAISHA, of 5-2, 1-Chome, ote-Machi, Chiyoda-ku, Tokyo-To, Japan.	Continuous process for refining sulfide ores & an apparatus therefor.
50.	137244	1-2-1973	SHERRITT GORDON MINES LI- MITED OF 2800, Commerce Court West, Toronto, Ontario, Canada.	Recovery & separation of Nickel & cobalt from reduced laterite Nickel ore.
51.	137275	17-7-1972	HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165- 166, Backbay Reclamation, Bombay-20, Maharashtra, INDIA.	Skin moisturiser based on glutamic acid and/or glutamine and/or their salts.
52.	137364	4-10-1971	THE LUBRIZOL CORPORATION OF P. O. BOX, 3057, Euclid Station, Cleveland, Ohio-44117, U.S.A.	Process for the preparation of an oil-soluble composition.
53.	137460	24-7-1972	SNAMPROGETTI S. P. A. of 16 Corso, Venezia, Milan, Italy.	Process for the electro chemical manufacture of silver containing catalysts.
54.	137461	12-1-1973	SNAMPROGETTI S. P. A. of 16 Corso Venezia, Milan, Italy.	Process for producing metallic silver powder.
55.	137507	20-3-1974	HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165-166, Backbay Reclamation, Bombay-20, Maharashtra, India.	Process for the dehydroxylation of hardened castor oil.
5 6.	137546	2-1-1973	THE GOODYEAR TIRE & RUBBER COMPANY, of 1144, East Market, Street, Akron, Ohio, U.S.A.	Improvements in a method of preparing a resinous material.

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57.	137575	10-4-1973	HOECHST AKTIENGESELLSCHAFT OF 6230, Frankfurt/Main 80, Federal Republic of Germany.	Improvements in or relating to heavy media separation of minerals.
58.	137621	4-1-1973	RHONE-PROGIL, of 67, Boulevard du, Chateau, Boite Postale 122, 92527, Neuilly-sur-Seine, France.	Process of preparing polymers.
59.	137694	30-5-19 7 2	MITSUBISHI KINZOKU KOGYO KABUSHIKI KAISHA of 5-2, 1-Chomo, Ote-machi, Chiyoda-ku, Tokyo-To, Japan.	Method for producing titanium ore concentrate.
60.	137738	18-8-1972	HINDUSTAN LEVER LIMITED of 165-166, Backbay Roclamation, Bombay-20, Maharashtra, India.	A process for the preparation of cyclo- aliphatic monoterpenic alcohol.
61.	137818	4-11-1972	UNIVERSAL OIL PRODUCTS COM- PANY of Ten UOP Plaza-Algonquin & Mt. Prospect Roads, Desplaines, Illinois, U.S.A.	Conversion of asphaltene containing charge stock.
62.	137837	5-10-1973	METALLGESELLSCHAFT AKTIEN- GESELLSCHAFT OF 16 Frankfurt A.M. Routerweg, West Germany.	Process of converting hydrogen sulphide into elementary sulphur by the clause process.
63.	137894	24-11-1972	METALLURGICAL PROCESS LIMITED, of Austral House, Basinghall Avenue E.C. 2; in the city of London, England.	A method of producing zinc vapour of cadmium vapour.
64.	137895	22-1-1973	UNION CARBIDE CORPORATION of 270 Park Avenue, New York, State of New York-10017, U.S.A.	Selective adsorption process for air separation.
65.	137913	11-7-1973	SOCIETE NATIONALE DES' POU- DRES ET EXPLOSIFS OF 12 Quai Henri IV, cedex 04, 75181, Paris, France.	A process for the recovery of nitro- cellulose from the filtrate obtained after the nirtation of Cellulose and an apparatus therefor.
66.	137976	14-10-1971	MEAD CORPORATION OF TAL- BOTT TOWER DAYTON, OHIO 45402, U.S.A.	A method for preparing wet proofed catalyst composition for use in conducting a chemical reaction between reactants contained in two or more fluid phases.
67.	138028	5-11-1973	CARBORUNDUM UNIVERSAL LTD. OF 11/12 North Beach Road, Madras 1, India.	Improvements in or relating to abrasive articles and method of making the same.
68.	138036	13-8-1973	BETHLEHEM STEEL CORPORATION OF 701 East Third Street, Bothlehem, Pennsylvania, U.S.A.	Method of treating ferrous strand by hot dip coating procedure.
6 9.	138128	16-10-1973	HINDUSTAN LEVER LIMITED of Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-20, Maharashtra, India.	Process for preparing super fatted soap bars.
70.	138167	1-12-1972	UNIVERSAL OIL PRODUCTS INC. of Ten UOP Plaza-Algonquin & Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	A method for reforming of hydrocarbons.
71.	138202	25-1-1973	UNION CARBIDE CANADA LTD. OF EGLINTON AVE EAST, Toronto, Ontorio, Canada.	Process of producing a fibre forming polyamide.
72.	138238	16-12-1972	SOCIETE NATIONALE DES POU- DRES ET EXPLOSIFS OF 12 Quai Henri IV, cedex 04, 75181, Paris, France.	A propellant powder composition & black propellant fuel moulded from such composition.
73.	138239	10-1-1973	SHIN NIHON KAGAKU KOGYO KABUSHIKI KAISHA OF 1-25-1, Hama-dori, Dojima, Kita-ku, Osaka- shi, Osaka-fu, Japan.	Method of producing magnesia refractory graines.

1	2	3	4	3
74.	138333	12-10-1972	HORIZONS RESEARCH INCOR- PORATED OF 23800 Mercantile Road, Cleveland, Ohio, U.S.A.	Preparation of phosphazene polymers.
75.	138391	23-11-1972	STEETLEY (MFG.) LTD. OF GATE FORD MILL WORKSHOP, NOTTINGHAMSHIRE, England.	Process for making magnesia.

CHEMICAL INDUSTRY LIST NO. 5

COMMERCIAL WORKING OF THE PATENTED INVENTIONS

The following Patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under 146(2) of Patents Act, 1970, in respect of calender year 1982 generally on account of want of requests for licences to work the Patentee inventions. Persons who are interested to work the said Patents commercially may contact the Patentees for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name and Address of the Patentee	Title of the Inventions
1	2	3	4	5
1.	138449	9-1-1973	UNILEVER LIMITED of Unilever House, Blackfriars, London, E.C.4, England.	A process for the preparation of black tea from green or unfermented tea.
2.	138486	27-6-1973	HOECHST AKTIENGESELLSCHAFT of 45 Bruning Strasse, Frunkfurt/Main Federal Republic of Germany.	Shaped articles made of thermoplastic moulding composition based on poly oxymethylene and process for preparing the same.
3.	138559	2-11-1972	Do.	Process for preparing novel monoazor reactive dyestuffs.
4.	138595	28-2-1973	SNAMPROGETTI S.P.A. of 16 Corso, Venezia, Milan, Italy.	Process for producing aluminium chlorohydroxides.
5.	138632	20-12-1972	NORTON COMPANY OF 1 New Bond Street, Worcester, State of Massachusetts, U.S.A.	Mothod of producing abrasive.
6.	138686	25-5-1973	SOLVAY & CIE of 33, Rue du Prince Albert B-1050, Brussels, Belgium.	Process for the polymenization of olds.
7.	138705	28-9-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Process & apparatus for producing ga by partial combustion and carburettin said gas.
8.	138853	30-4-1974	SADAYOSHI WATANABE OF 1247-25, Miyanomori, Chiro-ku, Sapporo-Shi, Hokkaido, Japan.	Process for producing paper making pulps from grasses.
9.	138862	12-12-1972	HOECHST AKTIENGESELLSCHA- FT of 6230, Frankfurt/Main 80, F.R.G.	Process for the preparation of new Water-soluble reactive azo dyestuffs.
10.	138883	12-12-1972	Do.	Process for preparing novel Water soluble reactive azodyestuffs.
11.	138884	12-12-1972	Do.	Process for the preparation of new Water-soluble reactive dyestuffs.
12.	138885	12-12-1972	Do.	Process for the preparation of nove Water-soluble reactive azodyestuffs.
13.	133389	1-5-1973	Do.	Process for preparing Water-soluble azo compounds.
14.	138894	27-6-1973	SANDVIK AKTIEBOLAG OF FACK, S-81101 Sandviken 1. Sweden.	Coated hard metal body.

1	2	3	4	5
15.	138928	15-4-1974	HINDUSTAN LEVER LIMITED of Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-20, Maharashtra, India.	Cosmetic skin moisturising composition.
15.	133971	12-2-1973	HOECHST AKTIENGESELLSCHA- FT OF 45, Bruningstrasso, Frankfurt/ Main, F.R.G.	Shaped articles made of thermoplastic moulding composition on the basis of polyoxymethylene.
17.	139109	8-5-1973	Dr. C. Otto & Comp. G.m.B.H. of christrasse 9 Postfatch 1849/1850, 463 Bochum, W. Gormany.	A gas collecting device for a coke oven battery.
18.	139118	27-10-1973	LONE STAR STEEL COMPANY, of 2200 W. Mockingbird Lane at Roper Dallas, Texas, U.S.A.	Process for the removal of particulate matter and acidic gases from carrier gases.
19.	139182	21-11-1973	SNAMPROGETTI S.P.A. of 16 Corso, Venezia, Milan, Italy.	Process for removing vinyl aromatic hydrocarbons.
20.	139205	18-7-1973	Do.	Process for hydrogenating diolefinic hydrocarbons to mono olefinic hydrocarbons.
21.	139206	6-8-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. of Carel Van Bylandtlaan 30, The Haque, The Notherlands.	Process for the production of hydrogen rich gas from carbon monoxide and hydrogen containing gases.
22.	139208	19-4-1974	SNAMPROGETTI S.P.A., of 16 Corso, Venezia, Milan, Italy.	Purification of a solution of urca.
23.	139216	28-2-1973	Do.	Process for producing aluminium chlorohydroxides.
24.	139231	25-5-1973	UNION CARBIDE INDIA LIMITED of 1, Middleton Street, Calcutta-16, West Bengal, India.	Improvements in or relating to process for the manufacture of sorbic acid and its alkalimetal salts.
25.	139273	3-3-1972	SOLVAY & CIE COMPANY of rue de Prince Albert-33, B-1050, Brussels, Belgium.	Process for the stereospecific polymerization of alpha-olefins.
26.	139293	13-2-1974	INDIAN EXPLOSIVES LTD of I.C.I. House 34, Chowringhee Road, Calcutta-16, West Bengal, INDIA.	Sensitised dry blasting composition and their method of preparation.
27.	139321	19-7-1973	HOECHST AKTIENGESELLSCHA- FT of 6230, Frankfurt/Main, F.R.G.	Process for the preparation of novel Water-soluble monazo dyestuffs.
28.	139383	26-6-1973	UNILEVER LIMITED of Unilever house, Blackfriars, London E.C.4.	A process for the preparation of composite tea product.
29.	139403	12-7-1974	SNAMPROGETTI S.P.A. of 16 Corso, Vonezia, Milan, Italy.	Process for separating diolefins from mixtures containing the same.
30.	139427	9-3-1973	SHELL INTERNATIONALE RE- SEARCH MAATSCHAPPIJ B.V. of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	A process for preparing improved catalysts.
31.	139432	19-11-1973	Do.	A process for the preparation of ethylene oxide.
32.	139455	25-5-1973	UNIVERSAL OIL PRODUCTS COM- PANY, of Ten UOP Plaza-Algonquin & Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Fluidized catalysts regeneration process.
33.	139529	28-12-1973	TOYO ENGINEERING CORPORATION of 2-5, 3-chome, Kasumigasik, Chiyoda-ku, Tokyo, Japan.	Apparatus for effecting catalytic gaseous reactions at elevated pressures.
34.	139571	21-9-1973	BETHLEHEM STEEL CORPORATION of 701, East Third Street, Bethlehem, Pennsylvania, U.S.A.	Corrosion resistant aluminium-zinc coating and method of making.

1	2	3	4	5
35.	139600	24-12-1973	VEB FILMFABRIK WOLFEN of 444 Wolfen 1, German Democratic Republic.	Colour photographic silver halide material containing magenta colour couplers.
35.	[335)[27-3-1974	CONTINENTAL CARBON COM- PANY of 4120 South West, Freeway, Houston Texas 77027, U.S.A.	Method and apparatus for the manufacture of carbon block,
37.	137516	6-7-1973	SIMON-CARVES LTD of cheadle, Health Stockport, Cheshire, England,	Improved method and plant for the manufacture of sulphuric acid.
33.	139517	19-7-1973	IMPERIAL CHEMICAL INDUSTRIES LIMITED of Imperial Chemical House, Millbank, London S.W. 1, England.	Process for the manufacture of phosphoric acid amides.
39.	13 961 9	19-1-1974	THE GOODYEAR TIRE AND RUB- BER COMPANY of 1144 East Markot Street, Akron Ohio, U.S.A.	A process for coagulating synthetic latices.
40.	139623	26-6-1974	RCA CORPORATION of 30 Rockfeller, Plaza, New York, 10020, USA.	Method of etching silicon oxide to produce a tapered edge thereon.
41	139647	18-12-1973	HOECHST AKTIENGESELLSCHA FT of 6230, Frankfurt/Main 80, F.R.G.	Process for preparing co-polymers of trioxane.
42.	139658	18-1-1973	IMPERIAL CHEMICAL INDUSTRIES LTD., of Imperial Chemical House, Millbank, London S.W.1, England.	Method of making catalyst precursor for the synthesis of methonol.
43.	139720	18-1-1973	HINDUSTAN LEVER LIMITED of Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20, Maharashtra, India.	A process for preparing a sulphided metallic support catalyst.
44.	139721	9-1-1973	HOECHST AKTIENGESELLSCHA-FT of 6230, Frankfurt/Main, F.R.G.	Process for proparing Water-Soluble reactive dyestuffs.
45,	139722	28-2-1973	SNAMPROGETTI S.P.A. of 16 Corso, Vonozia, Milan, Italy.	Process for producing aluminium chlorohydroxides.
46.	139723	13-4-1973	Do.	Production of propylene oxide.
47.	139729	6-9-1973	IMPERIAL CHEMICAL INDUSTRIES LIMITED of imperial Chemical House, Millbank, London, S.W.1, England.	Explosive fuse cord and method of manufacturing the same.
48.	139785	15-10-1975	UNION CARBIDE INDIA LTD., of 1, Middleton Street, Calcutta-700 016, West Bengal, India.	Process for the recovery of hexadienal from S.S.D. oil from crotonaldehyde refining columns.
49.	139804	24-1-1974	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION of Limestone avenue, can campbell Australian Capital territory, Commonwealth of Australia.	A process for benefication of titaniferrous ores to produce titaniune dioxide.
50.	139810	28-1-1976	UNION CARBIDE INDIA LTD., of 1, Middleton Street, Calcutta-700 016, West Bengal, India.	Improvements in or relating to method of manufacture of paratertiary butyl phenol.
51.	139821	2-11-1973	HINDUSTAN LEVER LIMITED of, Hindustan Lever House, 165-166, Back- bay Reclamation, Bombay-20, Maha- rashtra, India.	Detergent bars.
52.	139829	16-3-1974	UNION CARBIDE INDIA LTD., of 1, Middleton Street, Calcutta-700016, West Bengal, India.	A process of removing sulphuric acid colour producing impurities present in acetaldol route 2-ethyl hexanol and refining the product so obtained.
5 3.	139834	16-11-1973	F.L. SMIDTH & CO. A/S of 77 Vigor-slev Alle, Copenhagenvalby, Denmark.	Improvement relating to the calc ination of pulverous material & plant for effecting the same.

1	2	3	4	5
54.	139841	13-4-1973	UNION CARBIDE CORPORATION of 270 Park Avenue, New York 10017, New York, U.S.A.	Process for extracting metal valves from spent hydrodesulfurization catalysts.
55.	139895	19-3-1973	Personal Products Company, of Mill town, New Jersey, U.S.A.	Method of making water insoluble fluid absorptive and retensive materials from collulose.
56.	139924	26-6-1973	SNAMPROGETTI S.P.A. of 16 Corso Vonezia, Milan, Italy.	Water desalination apparatus.
57.	139931	13-7-1973	MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG of Darmstadt, Frankfurter Strasse, 250, West Germany.	Process for preparing lustrous pigments.
58.	139988	26-10-1973	SOCIETE FRANCAISE D'ELECTRO- METALLURGIE SOFREM of 10 rue du, General Foy Paris 8 Eme, France.	Improved process for thermal production of magnesium.

RENEWAL FEES PAID

118694 119255 119536 119930 119931 119957 119958 120052 120056 120085 120086 120187 120276 120291 120336 120414 120549 120601 120696 123133 123362 123616 123939 123940 123941 123942 123943 124354 124893 125227 125228 125400 125562 125601 125889 126776 128129 129586 129587 129796 130178 130238 130553 130948 131103 131174 131203 131435 131436 131452 131595 131718 133158 134201 134368 134556 134718 134773 134778 134879 134973 135013 135015 135039 135083 135096 135097 135181 135182 136432 136553 136677 136758 137162 137193 137219 137232 137278 137561 137564 137694 137931 137990 138190 138377 138590 138675 138802 138926 139138 139273 139361 139771 139805 139885 140090 140124 140142 140194 140256 140627 140696 140708 140790 140848 141012 141032 141250 141303 141332 141367 141379 141397 141461 141536 141567 141596 141660 141753 141843 141973 142061 142065 142279 142280 142499 142572 142718 142743 142830 142953 142954 143259 143286 143297 143331 143469 143570 143683 143731 143937 143948 144158 144276 144319 144328 144353 144355 144356 144385 144565 144621 144639 144715 144729 144739 144829 144944 145030 145043 145268 145304 145354 145476 145590 145622 145656 145659 145732 145743 145771 145934 146021 146147 146248 146260 146267 146278 146575 146601 146747 146796 146828 146992 147007 147062 147074 147127 147154 147164 147216 147238 147266 147322 147373 147474 147482 147499 147510 147528 147556 147560 147598 147629 147645 147659 147682 147683 147722 147746 147831 147882 147931 147935 147941 147960 148014 148029 148042 148062 148072 148085 148100 148102 148116 148121 148194 148222 148231 148258 148280 148281 148298 148412 148414 148421 148443 148444 148473 148500 148502 148586 148590 148632 148635 148679 148680 148693 148720 148721 148729 148760 148763 149063 149100 149108 149162 149218 149221 149230 149288 149394 149428 149454 149455 149456 149459 149471 149496 149539 149621 149734 149769 149832 150010 150067 150112 150162 150171 150248 150258 150259 150305 150348 150449 150452 150461 150493 150522 150532 150569 150574 150580 150594 150601 150637 150675 150682 150689 150719 150723 150727 150789 150790 150816 150817 150821 150825 150833 150834 150838 150847 150873 150875 150898 150929 150938 150951 150970 150971 151006 151012 151033 151034 151035 151039 151040 151072 151082 151091 151174 151207 151238 151324 151326 151328 151329 151330 151331 151375 151376

CESSATION OF PATENTS

116141 116149 116152 116156 116158 116161 116169 116192 116199 116221 116223 116224 116233 116249 116261 116283 116302 116306 116322 116327 116329 116343 116352 116353 116378 116379 116387 127198 146151

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 124762 dated the 8th January, 1970 made by Shriaram Refrigeration Industries Limited, on the 10th September, 1982 and notified in the Gazette of India, Part III, Section 2 dated the 8th Oct., 1983 has been allowed and the said patent restored

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 133921 granted to Council of Scientific and Industrial Research for an invention relating to "improvements in or relating to the production of fat liquors for the treatment of leathers."

The patent ceased on the 13th December, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2 dated, he 28th January, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 24th May. 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 137375 granted to Council of Scientific and Industrial Research for an invention relating to "improvements in or relating to processes for constructing thin impermeable and durable out-off walls".

The patent ceased on the 28th December, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III. Section 2, dated the 4th February, 1984,

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Rond, Calcutta-700017, on or before the 24th May, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice,

(4)

Notice is hereby given that an application for restoration of Patent No. 139071 dated the 24th July, 1974 made by Gopeswar Saha now assigned to Anindya Saha on the 14th June, 1983 and notified in the Gazete of India, Part III, Section 2 dated the 8th October, 1983 has been allowed and the said patent restored.

(5)

Notice is hereby given that an application for restoration of Patent No. 143862 dated the 28th April, 1977 made by M. M. Suri & Associates Pvt. Ltd. on the 27th April, 1983 and notified in the Gazette of India. Part III, Section 2 dated the 13th Aug., 1983 has been allowed and the said patent restored.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 144689 granted to Council of Scientific and Industrial Research for an invention relating to "a process for the production of sponge iron".

The patent ceased on the 15th December, 1982 due to non-payment of renewal fees within the prescribed time and the cessetion of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 4th February, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office. 214, Acharva Jagadish Bosè Road. Calcutta-700017. on or before the 24th Mew. 1984 under Rule 69 of the Patents Rules. 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filled with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 144862 granted to Council of Scientific and Industrial Research for an invention relating to "a process for making saturation bonded non wovens using polyvinyl alcohol as the binder".

The patent ceased on the 14th December, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 4th February, 1984.

Anv interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office. 214, Acharva Lagadish Bose Road. Calcutta-700017, on or before the 24th Max. 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Connonent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act. 1970 for the restoration of Patent No. 145466 granted to Council of Scientific and Industrial Research for an invention relating to "an improved process for the removal of mineral matter in graphite".

The patent ceased on the 29th December, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2. dated the 4th February, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on or before the 24th May, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 146161 granted to James Kemp & Co. Pty. Ltd. for an invention relating to "driling holes in pressurized pipes".

The patent ceased on the 27th April, 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India. Part-III. Section 2, dated the 4th February, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office. 214, Acharva Jagadish Bose Road. Calcutta-700017, on or before the 24th May, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(10)

Notice is hereby given that an application was made under Section 60 of the Patents Act. 1970 for the restoration of Patent No. 147527 granted to Council of Scientific and Industrial Research for an invention relationg to "a process for the preparation of new yellow to violet azo N substituted pyridone disperse dyes for synthetic fibres".

The patent ceased on the 28th December, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 4th February, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office. 214, Acharva Iagadish Bose Road. Calcutta-700017. on or before the 24th Mev. 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Onnonent's interest. the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(11)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 147705 granted to "Council of Scientific and Industrial Research" for an invention relating to "process for the preparation of urea nitrate".

The patent ceased on the 23rd December, 1982 due to non-nayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 28th January, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharva lagadish Bose Road, Calcutta-700017, on or before the 24th May 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice,

(12

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 147845 granted to Council of Scientific and Industrial Research for an invention relating to "a process for making molecular sieve zeolites from paddy husk".

The patent ceased on the 28th December, 1982 due to non-payment of tenewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III. Section 2, dated the 28th January, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya lagadish Bose Road, Calcutta-700017, on or before the 24th May, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Copponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice,

(13)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1979 for the restoration of Patent No. 147948 granted to Council of Scientific and Industrial Research for an invention relating to "a improved process for the simultaneous electrolytic production of zinc metal and manganese dioxide from zinc sulphide concentrates and manganese ores."

The patent ceased on the 28th December, 1982 due to non-payment of renewal fees within the prescribed time and the cessetion of the patent was notified in the Gazette of India, Part-III Section 2, dated the 28th January, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214. Acharya lagadish Bose Road, Calcutta-700017, on or before the 24th May, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts tipon which he bases his case and the relief he seeks, shall be filed with the native or within one month from the date of the notice.

(14)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 148817 granted to Law Viking for an invention relating to "improvements in or relating to regenerative head exchanger units".

The patent ceased on the 7th September, 1982 due to non-payment of renewal fees within the prescribed times and the cessation of the patent was notified in the Gazette of India, Part-III. Section 2. dated the 4th February, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on or before the 24th May, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon-which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(15)

Notice is hereby given that an application for restoration of Patent No. 150074 dated the 12th October, 1979 made by Bharat Motors on the 16th July, 1983 and notified in the Gazette of India, Part III, Section 2 dated the 8th Oct. 1983 has been allowed and the said patent restored

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class 1. No. 153571. Welset Engineers, an Indian Regd.
 Partnership firm having its Office at: Mantri
 Wi. ii. Swami Vivekanand Road Malad, Bombay400 064, Maharashtra, India. "A Clutch Plate".
 20th October, 1983.
- Class 1. No. 153639. Paman Products Private Limited, of 205-A, Hiren Industrial Estate, Mogul Lane, Mahim, Bombay-400 016, Maharashtra, India, a company incorporated under the companies Act. "Transistor". 8th November, 1983.
- Class I. No. 153678. Suzuki Jidosha Kogyo Kabushiki Kaisha, a corporation duly organized and existing under the laws of Japan, of 300, Kamimura Takatsuka, Hamanagun, Shizuoka-ken, Japan "Motorcycle". 16th November, 1983.
- Class 1. No. 153608. Abdul Wahid S/o Shri Allah Dia, Indian, trading as Matchless Industries, 70. Muftiwara, Meerut, (U.P.), India, Indian sole Proprietorship concern. "Nail Cutters". 27th October, 1983.
- Class 3. No. 153346. National Organic Chemical Industries
 Ltd., a company incorporated under the Companies Act. 1956 and having its registered office at
 Mafetlal Centre, Nariman Point, Bombay-400021,
 Maharashtra, India. "Containers". 11th August,
 1983.
- Class 3. No. 153563. Silver Spark Limited (A Company incorporated under the Indian Companies Act)
 C-66, Anand Niketan, New Delhi-110021. India. An Indian Company. "Insect Repellant".
 12th October, 1983.
- Class 3. No. 153638. Paman Products Private Limited, of 205-A, Hiren Industrial Estate, Mogul Lane, Mahim, Bombay-400 01a. Maharashtra, India, a company incorporated under the companies Act. "Transistor". 8th November, 1983.
- Class 3, No. 153613 Crown Showers Corporation, an Indian Registered Partnership Firm having its office at Ambora, Lourulim Salcette, Goa-403 718; India, "Shower", 1st November, 1983.

Extension of Copyright for the Second period of five years.

Nos. 148825, 148910, 147898, 153499.--Class-1.

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SHANTI KUMAR.
Controller-General of Patents,
Designs and Trade Marks.